

- B1
- (c) a part of a nucleic acid sequence hybridizing to the nucleic acid sequence of (a) or (b); and
  - (d) a part of a nucleic acid sequence that has more than 90% sequence identity to the coding region of SEQ ID NO: 1;

wherein the part is sufficient to reduce the expression of a debranching enzyme in a plant cell when introduced in antisense orientation.

B2

9. (Amended) A protein encoded by a nucleic acid molecule comprising a nucleic acid sequence, wherein the nucleic acid sequence hybridizes to or has more than 90% sequence identity to a second nucleic acid sequence selected from the group consisting of:

- (a) a nucleic acid sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2; and
- (b) a nucleic acid sequence that is SEQ ID NO: 1.

B3

15. (Amended) A starch obtainable from a plant cell or a plant comprising the plant cell, wherein the plant cell is transformed with a nucleic acid molecule comprising a nucleic acid sequence, wherein the nucleic acid sequence hybridizes to or has more than 90% sequence identity to a second nucleic acid sequence selected from the group consisting of:

- (a) a nucleic acid sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2;
- (b) a nucleic acid sequence that is SEQ ID NO: 1.

16. (Amended) A host cell comprising the nucleic acid molecule of claim 1.

B4

21. (Amended) A method for producing foodstuffs or industrial products using the starch of claim 15. C

Add claims 22-33 as follows:

*Sub C2* 22. (Added) The host cell according to claim 16, wherein the nucleic acid sequence has more than 95% sequence identity to a second nucleic acid sequence selected from the group consisting of:

- (a) a nucleic acid sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2; and
- (b) a nucleic acid sequence that is SEQ ID NO: 1.

23. (Added) The host cell according to claim 16, wherein the nucleic acid sequence is selected from the group consisting of:

- B5*
- (a) a nucleic acid sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2; and
  - (b) a nucleic acid sequence that is SEQ ID NO: 1.

24. (Added) The host cell according to any one of claims 16, 22 or 23, wherein the host cell is a plant cell.

25. (Added) A transgenic plant comprising the plant cell of claim 24.

26. (Added) The transgenic plant of claim 25, wherein the plant is a maize plant.

27. (Added) A starch obtainable from the plant cell of claim 24 or from a plant comprising said plant cell.

*Sub C3* 28. (Added) A propagation material of a plant comprising the plant cell of claim 24.

29. (Added) A host cell, wherein the activity of a debranching enzyme is reduced when compared to untransformed cells due to expression of a ribozyme specifically